



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Livestock Facility Inspection Checklist

GENERAL INFORMATION									
TYPE OF INSPECTION: <input checked="" type="checkbox"/> CAFO <input type="checkbox"/> COMPLAINT <input checked="" type="checkbox"/> RECONNAISSANCE <input type="checkbox"/> ERU FOLLOW UP <input type="checkbox"/> OPERATOR REQUEST <input type="checkbox"/> OTHER									
FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.) Meier Meadows Farm						INSPECTION DATE 6-15-11		ARRIVAL TIME 10:15 AM	
ADDRESS 5N Dakota Road						INSPECTOR(s) L. Heeren/K. Bergstrom		DEPARTURE TIME 12:35 PM	
CITY Ridott			STATE IL		ZIP CODE 61067		ACCOMPANIED BY (if applicable)		
LEGAL DESCRIPTION		COUNTY Stephenson	SECTION 25,30,36	TOWNSHIP 27N	RANGE 8E	TEMPERATURE 70's	PRECIPITATION TYPE Slight rain		
Facility Owner(s): <small>Exemption 6 and Exemption 7(C)</small>		NAME Glen Meier				CONTACTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PHONE Exemption 6 and Exemption 7(C)	MOBILE
		ADDRESS				CITY		STATE	ZIP CODE
		Exemption 6 and Exemption 7(C)							
		NAME Jason Meier				CONTACTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE <small>Exemption 6 and Exemption 7(C)</small>
		ADDRESS				CITY		STATE	ZIP CODE
		Exemption 6 and Exemption 7(C)							
Facility Operator(s): <small>Exemption 6 and Exemption 7(C)</small>		NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE
		ADDRESS				CITY		STATE	ZIP CODE
		NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE
		ADDRESS				CITY		STATE	ZIP CODE
NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)									
1. What type of NPDES permit has been issued? <input type="checkbox"/> Individual NPDES Permit <input type="checkbox"/> General NPDES Permit								NPDES #	
2. What date was the NPDES permit issued?									
3. What date does the NPDES permit expire?									
4. Is a copy of the NPDES permit onsite?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
5. Permitted number of animal units?									
6. Does the NPDES Permit contain a compliance schedule?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
7. Have there been any changes made to the production area since the permit was issued?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
If "YES", provide a detailed description of those changes. None									

LAND APPLICATION/NUTRIENT MANAGEMENT		
1. How many TOTAL acres are available for land application? <u>2400</u> acres		
2. How many acres are READILY available for land application at the time of inspection? <u>300-400</u> acres		
3. Estimated annual quantities of liquid waste <u>2M</u> gallons		
4. Estimated annual quantities of solid waste _____ tons		
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: <u>Jeff Kinzle</u>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
6. What type of land application equipment is available to the facility? <input checked="" type="checkbox"/> Umbilical Injection <input type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input checked="" type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input type="checkbox"/> Other _____		
7. Does the facility calibrate the land application equipment? If "YES", What method is used?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input type="checkbox"/> YES <input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <input type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input type="checkbox"/> YES <input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <input type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
17. Are records being maintained at the required frequency?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?	<input type="checkbox"/> YES	<input type="checkbox"/> NO

LIVESTOCK FACILITY DESCRIPTION**Facility Type**

- | | |
|--|--|
| <input type="checkbox"/> Total Confinement Buildings | <input checked="" type="checkbox"/> Open Earthen Feedlot |
| <input checked="" type="checkbox"/> Open Confinement Buildings | <input checked="" type="checkbox"/> Vegetated Pasture |
| <input checked="" type="checkbox"/> Open Concrete Feedlot | <input type="checkbox"/> Other _____ |

Type of Animals	Number of Animals (currently)	Capacity	Type of Confinement
DAIRY MILKING	250	~300	Freestalls
DAIRY DRY	20		Bed pack barn
CALVES	60		Bed pack barn

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)?	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO
If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below. 205 N. Dakota Road, Ridott, IL 5579 E. River Road, Ridott, IL		<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

LIVESTOCK WASTE STORAGE

- Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO
If NO, then proceed to question 10.
- General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).
2 reception pits (one for each cow barn) which empty into a 1.2 MG Slurrystore.

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input type="checkbox"/> Holding Pond	
<input checked="" type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	1.2 MG
<input type="checkbox"/> Below Ground Storage Tank	
<input type="checkbox"/> Settling Basin	
<input checked="" type="checkbox"/> Roofed Storage Shed	
<input checked="" type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input checked="" type="checkbox"/> Underfloor Pits	Reception pits and calf bldg
<input type="checkbox"/> Anaerobic Digester	
<input checked="" type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	
3. Do the storage structures have depth markers or staff gauges? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
4. Are levels of manure in the storage structures recorded and records kept? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
5. Do the storage structures have adequate freeboard? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
6. Estimated final stage storage structure freeboard <u>200</u> in.	
7. Do facility personnel perform routine visual inspections of the storage structures? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
8. Are the routine visual inspections documented? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
9. Does the system have an outfall or discharge point? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge). None	
10. Are there any portions of the production area where runoff is not controlled? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If "YES", provide a detailed description of the area(s) of concern: See attached report	
MORTALITIES MANAGEMENT	
1. How are mortalities managed? (Composted, buried, burned, rendering service, other) Rendering and burial	
2. Are mortalities documented and are records kept? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

FACILITY WATER SOURCES

1. What type of method is used to provide drinking water for the animals?
☒ Overflow waters ☐ Tip Tanks ☐ Nipple waters ☐ Water Bowls ☐ Other _____
2. How is the water for animals obtained?
☐ Community PWS ☒ On-Site Well ☐ On-Site Impoundment ☐ Other _____
3. Is a mist cooling system used? ☒ YES ☐ NO
How is mist water contained?
None

DAIRY OPERATION (If No Dairy, skip this section)

1. How many times per day are cows milked? 2
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).
None
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.
Goes into reception pit and into Slurrystore.
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.
Reception pit
5. Describe where process wastewater from the plate cooler goes and how it is contained.
Plate water goes to water tank. Overflows empty into manure reception pit.

BEDDING (If No Bedding, skip this section)

1. Describe what type of bedding is used for the animals.
Wheat straw and harvested bean residue.
2. Describe how bedding is collected and how often.
Bedding pack is removed by mechanical scraping every 4-6 weeks.
3. What is done with the used bedding? ☐ Reused ☒ Land Applied

MANURE COLLECTION

1. How is manure collected?

- ☐ Under Floor Pit
☒ Scraped: ☐ Automatic ☒ Manual
☐ Flush
☐ Solids Separator
☐ Other: _____
☐ None

2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.

None**FEED STORAGE CONTAINMENT**

1. Describe how feed (silage, hay, etc) is contained.

- ☒ Bulk Bins
☒ Silage Pit
☐ Ag Bags
☒ Hay: ☒ Barn ☒ Outdoor
☒ Other: **tower silos**

2. Describe how feed (silage, hay, etc) runoff is contained.

- ☐ Not Applicable – Feed totally enclosed
☐ Other: _____
☒ None

RECEIVING SURFACE WATERS

1. Provide a description of the flow path from the facility to the nearest named surface water.

The Pecatonica River is adjacent to all three facility locations.

2. What is the name of the receiving stream?

Pecatonica River3. Status of the named surface water: ☐ Intermittent ☒ Perennial4. Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☒ NOIf "YES", provide a description of the deposits: **None**

DISCHARGES

1. Have there been any documented discharges of livestock waste to surface water <i>in the past year</i> ? If "NO" proceed to question 2.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
a. If "YES", specify the date(s). Summer of 2010		
b. What was the reason for the discharge? Flood waters		
c. Was the discharge the result of a 25 year-24 hour rainfall event?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
d. What was the precipitation amount? (if applicable) 14 inches		
e. Was IEMA notified of the discharge?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
If "YES", describe actions taken: None		
2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
b. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
c. What was the precipitation amount? (if applicable)		
d. What is the reason for the discharge? See attached report		

OTHER COMMENTS/NOTES**See attached report**Will an inspection report be attached? ☒ YES ☐ NO**INSPECTOR'S SIGNATURE****REPORT DATE****6-15-11**